

Title (en)
Processs for the destruction of securities

Title (de)
Verfahren zur Vernichtung von Wertpapieren

Title (fr)
Procédé de destruction de valeurs mobilières

Publication
EP 1312666 A1 20030521 (FR)

Application
EP 01870248 A 20011119

Priority
EP 01870248 A 20011119

Abstract (en)
Irreversible destruction of shredded and/or ground personal documents comprising pretreating in hydrolysis and acidogenesis vessel(s) at pH less than 6 and 30-60 degrees C, transferring the product in small portions into methanization and acetogenesis vessels maintained at pH 7.2-8, for anerobic digestion at 50-60 degrees C to form methane and carbon dioxide, and immediately replacing the product by fresh material from the mixing/grinding plant, is new. <??>Independent claims are also included for the following: <??>(1) continuously operated, two-stage apparatus for the process, comprising hydrolysis and acidogenesis vessels, methanization and acetogenesis vessels, mixing and grinding plants, solid/liquid separation and decantation units and pumps for circulating the liquids in the tubes linking the various units; and <??>(2) the use of an inoculant solution (A) for the hydrolysis/acidogenesis and methanization/acetogenesis of previously shredded and/or ground personal documents, where (A) contains bacteria from a liquor obtained in methane-forming digestion, for at least 30 days at 35 degrees C, of slurry from cows fed a cellulose-rich diet, or anerobic reactors for treating cellulosic waste.

Abstract (fr)
La présente invention se rapporte à un dispositif pour la destruction irréversible de valeurs mobilières préalablement découpées et/ou broyées, caractérisé en ce que ledit dispositif comprend au moins une cuve d'hydrolyse et d'acidogénèse (1), au moins une cuve de méthanisation et d'acétogénèse (2), au moins une unité de mélange et de broyage (3) et au moins une unité d'évacuation munie d'un filtre (4), ainsi qu'au moins une pompe (5) assurant la circulation des fluides dans les tuyaux (6) qui relient les différentes unités entre elles et qui permettent une utilisation en continu dudit dispositif. <IMAGE>

IPC 1-7
C12M 1/107

IPC 8 full level
C12M 1/107 (2006.01)

CPC (source: EP)
C12M 21/04 (2013.01); **C12M 45/02** (2013.01); **C12M 45/06** (2013.01); **Y02E 50/30** (2013.01)

Citation (search report)
• [XY] DE 19928663 A1 20001228 - BEG BIOENERGIE GMBH [DE]
• [XY] DE 4446661 C1 19960208 - B A N S BIOLOG ABFALL NUTZUNGS [DE]
• [XY] EP 0566056 A1 19931020 - RECYCLING ENERGIE ABFALL [DE]

Cited by
EP2586856A1; FR3118631A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1312666 A1 20030521; AT E317426 T1 20060215; AU 2002339270 A1 20030610; DE 60209134 D1 20060420; DE 60209134 T2 20061005; EP 1444324 A2 20040811; EP 1444324 B1 20060208; HU P0401954 A2 20050228; PL 369461 A1 20050418; WO 03044157 A2 20030530; WO 03044157 A3 20040318

DOCDB simple family (application)
EP 01870248 A 20011119; AT 02776621 T 20021113; AU 2002339270 A 20021113; BE 0200168 W 20021113; DE 60209134 T 20021113; EP 02776621 A 20021113; HU P0401954 A 20021113; PL 36946102 A 20021113